(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 12 May 2005 (12.05.2005)

PCT

(10) International Publication Number WO 2005/042757 A1

(51) International Patent Classification7: C12P 17/06, A61K 35/78

(21) International Application Number:

PCT/KR2003/002841

(22) International Filing Date:

24 December 2003 (24.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 10-2003-0077000 31 October 2003 (31.10.2003)

(71) Applicant (for all designated States except US): REX-GENEBIOTECH CO., LTD. [KR/KR]; 344, Daeya-ri, Samsung-myeon, Eumsung-gun, Chungcheongbuk-do 369-831 (KR).

(72) Inventors; and

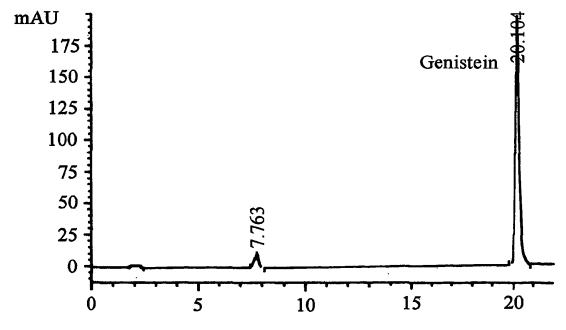
(75) Inventors/Applicants US only): KWON, (for

Suk-Hyung [KR/KR]; Woosung Apt. 21-1105, 1332 Seocho 2-dong,, Seocho-gu, Seoul 137-859 (KR). HWANG, Bo-Sik [KR/KR]; LG Village 212-2002, Geumgok-dong, Gwonseon-gu, Suwon, Gyeonggi-do 441-704 (KR). KIM, Kuk-Hwan [KR/KR]; Sanga 6-ho, 285-3 Sachang-dong, Heungdeok-gu, Cheongju, Chungcheongbuk-do 361-833 (KR). LEE, Seung-Hwan [KR/KR]; 6-6, 33 Bomun-dong 2-ga, Seongbuk-gu, Seoul 136-082 (KR). YOON, Eun-ju [KR/KR]; Joogong Apt. 104-1306, Panam-dong, Dong-gu, Daejeon 300-130 (KR). LEE, Seung-Hee [KR/KR]; Hyundai 1-cha Apt. 403-901, Yullyang-dong, Sangdang-gu, Cheongju, Chungcheongbuk-do 360-776 (KR).

- (74) Agent: KIM, Seog-Hyun; 9th Floor, Daekyung Building, 120, 2-ka, Taepyung-ro, Chung-ku, Seoul 100-724 (KR).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,

[Continued on next page]

(54) Title: METHOD FOR PREPARING SOPHORAE FRUCTUS EXTRACT CONTAINING ISOFLAVONE



(57) Abstract: The present invention relates to a method for preparing a Sohporae Fructus extract containing isoflavone. More particularly, the present invention relates to a method for preparing a Sohporae Fructus extract containing isoflavone in high concentration, which is characterized by the steps of hydrothermal extraction, enzyme treatment and ethanol extraction of Sophorae Fructus. A Sophorae Fructus extract containing a high concentration of aglycon-type isoflavone having an excellent bio-absorbability can be prepared by the method of the present invention.



SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.